

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMLC029426B	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator APACHE CORPORATION		7. Unit of CA Agreement Name and No. NMNM134086	
Contact: ALICIA FULTON E-Mail: Alicia.fulton@apachecorp.com		8. Lease Name and Well No. CEDAR LAKE FEDERAL CA 954H	
3. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705		9. API Well No. 30-015-45029-00-S1	
3a. Phone No. (include area code) Ph: 432-818-1088		10. Field and Pool, or Exploratory CEDAR LAKE-GLORIETA-YESO	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 9 T17S R31E Mer NMP At surface NWNW 1039FNL 510FWL 32.853466 N Lat, 103.881622 W Lon Sec 9 T17S R31E Mer NMP At top prod interval reported below NENE 1035FNL 441FWL 32.853416 N Lat, 103.883598 W Lon Sec 7 T17S R31E Mer NMP At total depth Lot 1 1318FNL 330FWL 32.852573 N Lat, 103.915710 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 9 T17S R31E Mer NMP	
14. Date Spudded 06/25/2018		15. Date T.D. Reached 07/16/2018 - <i>RE</i> <i>TD 7-11-2018</i>	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/13/2018		17. Elevations (DF, KB, RT, GL)* <i>3875' GR</i>	
18. Total Depth: MD 15682 TVD 5390		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 300154502900S1	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	566		550		0	0
12.250	9.625 J-55	40.0	0	3501		<i>1400x 1200</i>		0	0
8.500	7.000 HCL-80	29.0	0	5020		760		0	0
8.500	5.500 HCL-80	20.0	5020	15660		<i>no cement on 5 1/2" casing -</i>			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875		5317						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5071 TO 15682			PRODUCING (Paddock - 96831)
B) PADDOCK	5071	15682	<i>no perforations -</i>			
C)			<i>open hole w/ 5 1/2" packer assembly</i>			
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
<i>5071-15682</i>	<i>Drac (355 slugs) with 6.663, 696# proppant 7017 bbls acid 145,469 bbls slickwater</i>

RECEIVED

NOV 28 2018

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/13/2018	09/25/2018	24	→	603.0	249.0	1245.0			DISTRICT II-ARTESIA O.C.D. ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	603	249	1245	413	POW	

ACCEPTED FOR RECORD

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/13/2018	09/25/2018	24	→	603.0	249.0	1245.0			NOV 17 2018 ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	603	249	1245		POW	

Minah Meeks
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #438905 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Reclamation Due: 3/13/2019

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			▶						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			▶						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RUSTLER	431	589	ANHYDRITE, DOLOMITE	RUSTLER	431
SALADO	589	1604	ANHYDRITE, DOLOMITE	SALADO	589
TANSILL	1604	1741	ANHYDRITE, SALT, DOLOMITE, SS	TANSILL	1604
YATES	1741	2021	SANDSTONE	YATES	1741
SEVEN RIVERS	2021	2642	SANDSTONE, DOLOMITE, LIMESTONE	SEVEN RIVERS	2021
QUEEN	2642	3071	SANDSTONE, DOLOMITE, LIMESTONE	QUEEN	2642
GRAYBURG	3071	3350	DOLOMITE, LIMESTONE, SANDSTONE	GRAYBURG	3071
SAN ANDRES	3350	4895	DOLOMITE, LIMESTONE SANDSTONE	SAN ANDRES	3350

32. Additional remarks (include plugging procedure):
Glorieta sandstone 4895-5932
paddock dolomite 4932-5537
blinbery dolomite 5537- 15682

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #438905 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 10/10/2018 (19DW0020SE)**

Name (please print) ALICIA FULTON Title SR REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 10/09/2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

NOV 28 2018

DISTRICT II-ARTESIA O.C.D.

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45029	² Pool Code 96831	³ Pool Name CEDAR LAKE; GLORIETA-YESO
⁴ Property Code 315935	⁵ Property Name CEDAR LAKE FEDERAL CA	
⁷ OGRID NO. 873	⁸ Operator Name APACHE CORPORATION	⁶ Well Number 954H
		⁹ Elevation 3875'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
D	9	17S	31E		1039	NORTH	510	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	7	17S	31E		1318	NORTH	330	WEST	EDDY

¹² Dedicated Acres 360	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16	<p><u>GEODETIC DATA</u> NAD 83 GRID - NM EAST</p> <p><u>SURFACE LOCATION (S.L.)</u> N 674521.4 - E 680050.3 LAT: 32.8534674° N LONG: 103.8816233° W</p> <p><u>FIRST TAKE POINT (F.T.P.)</u> MD: 5071' TVD: 5068.9' N 674524.8 - E 679982.0 LAT: 32.8534777° N LON: 103.8818456° W</p> <p><u>LAST TAKE POINT (L.T.P.) & BOTTOM HOLE (B.H.)</u> MD: 15682' TVD: 5390.0' N 674170.4 - E 669584.1 LAT: 32.8526210° N LONG: 103.9157096° W</p>	<p><u>CORNER DATA</u> NAD 83 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1916" N 670206.1 - E 669266.3</p> <p>B: FOUND BRASS CAP "1916" N 672845.7 - E 669258.1</p> <p>C: FOUND BRASS CAP "1916" N 675485.9 - E 669250.0</p> <p>D: FOUND BRASS CAP "1916" N 675519.3 - E 674249.5</p> <p>E: FOUND BRASS CAP "1916" N 675556.7 - E 679529.4</p> <p>F: FOUND 1/2" REBAR N 675594.5 - E 684811.1</p> <p>G: FOUND BRASS CAP "1916" N 670310.3 - E 684840.6</p> <p>H: FOUND BRASS CAP "1916" N 670274.2 - E 682217.6</p> <p>I: FOUND BRASS CAP "1916" N 670276.7 - E 679559.4</p>	<p>J: FOUND BRASS CAP "1916" N 670258.0 - E 676920.1</p> <p>K: FOUND 1/2" REBAR N 670239.2 - E 674280.4</p> <p>L: FOUND BRASS CAP "1916" N 670221.6 - E 671639.4</p> <p>M: FOUND BRASS CAP "1916" N 672878.8 - E 674265.1</p> <p>N: FOUND BRASS CAP "1916" N 672930.9 - E 679557.9</p> <p><u>CALCULATED POINTS</u></p> <p>1: N 674165.8 - E 669254.1 2: N 675566.2 - E 680849.8 3: N 674251.2 - E 680862.8 4: N 674243.8 - E 679543.7 5: N 674199.1 - E 674257.3</p>
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¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: _____ Date: **10-9-18**

ALICIA FULTON
Printed Name

alicia.fulton@apachecorp.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: **10-31-2017**

Signature and Seal of Professional Surveyor: _____

10034
Certificate Number

10-08-2018_MOVE_FTP_IN_AS-DRILL

